



WELDER

Characteristics of Work

This is skilled welding work in the fabrication, installation, and repair of equipment, machinery, and metal structures. Typical work assignments include rewelding gear controls and hydraulic shafts, repairing tail gates and bush hog blades, and welding vehicle frames. Employees must possess considerable knowledge of the welding properties of various metals and must be skilled in operating and maintaining tools and equipment commonly used in gas or electric welding. Work is performed independently but normally in conjunction with an Equipment Mechanic servicing the same equipment and machinery. General supervision is received from an Equipment Maintenance Superintendent or an Equipment Mechanic Master.

Examples of Work

Examples of work performed in this classification include, but are not limited to, the following:

Plans and prepares a variety of welding assignments requiring skill in edge preparation, positioning of work pieces, selection of proper electrode and/or orifices, and adjustment of equipment for proper voltage or gas pressure.

Builds and repairs supports for highway signs and signals; constructs drainage grates.

Removes and replaces defective metal on bridges.

Repairs truck tailgates by straightening parts and welding to proper size.

Welds gasoline, paint, and water tanks to tractor and truck frames.

Constructs trailers consisting of metal frames and ramps; constructs truck bodies, work racks, and special accessory equipment.

Attaches and/or repairs gear boxes, shafts, gear controls, hydraulic cylinders, transmission and differential housings, and other metal parts.

Repairs bush hog blades and equipment frames.

Attaches dump bodies, utility bodies, and aerial lift devices to truck frames.

Completes necessary paperwork on types of repairs, materials, costs, and job time; maintains supplies and work area.

Performs related or similar duties as required or assigned.

Essential Functions

The essential functions include, but are not limited to, the following. Additional essential functions may be identified and included by the hiring agency.

1. Welds metal components to fabricate or repair equipment.

2. Reads and/or understands layout, blueprints, diagrams, work orders, welding procedures, or oral instructions.

Minimum Qualifications

These minimum qualifications have been agreed upon by Subject Matter Experts (SMEs) in this job class and are based upon a job analysis and the essential functions. However, if a candidate believes he/she is qualified for the job although he/she does not have the minimum qualifications set forth below, he/she may request special consideration through substitution of related education and experience, demonstrating the ability to perform the essential functions of the position. Any request to substitute related education or experience for minimum qualifications must be addressed to the State Personnel Board in writing, identifying the related education and experience which demonstrates the candidate's ability to perform all essential functions of the position.

Physical Requirements: These physical requirements are not exhaustive, and additional job related physical requirements may be added to these by individual agencies on an as needed basis. Corrective devices may be used to meet physical requirements.

Very heavy: May frequently exert force equivalent to lifting over 50 pounds and/or occasionally exert force over that required to lift 100 pounds.

Vision: Requires the ability to perceive the nature of objects by the eye.

Near Acuity: Clarity of vision at 20 inches or less.

Midrange: Clarity of vision at distances of more than 20 inches and less than 20 feet.

Far Acuity: Clarity of vision at 20 feet or more.

Speaking/Hearing: Ability to give and receive information through speaking and listening skills.

Motor Coordination:

While performing the duties of this job, the incumbent is regularly required to stand; use hands to finger, handle or feel objects, tools or controls; stoop, kneel, crouch, or bend; and reach with hands and arms. The incumbent is frequently required to walk. The incumbent is occasionally required to sit; and climb or balance.

Experience/Educational Requirements:

Education/Experience:

Any combination of education and experience equivalent to graduation from a standard four-year high school or equivalent (GED), and two (2) years of related experience.

Interview Requirements

Any candidate who is called to an agency for an interview must notify the interviewing agency in writing of any reasonable accommodation needed prior to the date of the interview.